

FOLIO



The LRT is really coming to campus! First steps have been taken to survey the LRT route through the University. Reference points, such as this one outside HUB, have already been established. Soon drilling trucks from Control Land Surveys will sink test holes 10-20 cm wide and 30 m deep, taking core samples of soil to be analyzed for soil type, stability and strength. Construction will go steadily forward until the first fare-paying passenger passes through the turnstile of a University station some time in 1990. Watch this space for progress reports.

Report of Senate Task Force on Ethics Accepted

At its second meeting of the year, on Friday, 26 April, the University Senate accepted unanimously the Report of a Task Force on Ethics. The investigatory body was created by Senate in November 1983 "to raise the level of awareness about ethical issues and to examine a university's responsibility in this area."

Presenting the report, Jean Fraser, chairman, said the task force had discussed at considerable length the definition of the word "ethics". The *Oxford English Dictionary* (OED) defines ethics as "the science of morals, moral principles, rules of conduct, [the] whole field of moral science". David Roy, Director of the Centre for Bioethics in Montreal, has called ethics "the art of building bridges between the ideal and the real world; between what ought to be done and what can be done." The task force decided to accept the OED definition and in its report "has used the words 'ethics' and 'morals' interchangeably to refer to a code of values which guides behavior...and which in practice would lead to what is best for human life collectively."

Data were collected through a survey committee, which obtained the opinion of University faculty, professional associations in the Edmonton area, and faculty of other Canadian universities; a questionnaire committee, which sampled the opinion of students at the University of Alberta; and a resource committee, which surveyed literature and background material on the topic.

Reports were presented by the three committees.

In introducing the report of the resource committee, Mr. Justice Tevie Miller emphasized the difficulty of arriving at "the ethical solution" to any

dilemma. Outlining five situations, he invited Senate members to discuss and resolve the ethical dilemma each presented. The diversity of views offered in the resulting debates, and the lack of consensus in voting, underlined his point.

During discussion of the task force recommendations, recommendation 5 was clarified and amended to read, "That General Faculties Council require each Faculty with one or more professional programs to establish a committee...."

Recommendation 7, addressed to the Dean of the Faculty of Education, was the subject of particular discussion during which it was pointed out that this recommendation rose only out of a deep concern with the special position that education students will have in society with respect to ethical education and schoolchildren. In fairness to the Faculty of Education, and taking into account the ethical responsibilities of other professions, it was agreed to amend recommendation 7 to read, "That the Faculty of Education should critically assess and clarify its role and responsibility, and the role and responsibility of other Faculties, with regard to the ethics education of future teachers."

President Horowitz, expressing his pleasure with the report, said, "I had been afraid that there would be an all too narrow definition of ethics and only one focus. Now I am inspired to do a whole lot more on this line and I have begun to think about...how we can make this place more civilised with a better concern for other people. Let us not shy away from the findings. Let us accept them and work on them."

The following were among other

matters discussed.

Chancellor Peter Savaryn reported on his recent activities, the highlight of which was a two-week visit to Japan as guest of President Kurimoto.

Items in Myer Horowitz's report to Senate included the presentation by the Alberta Heart Foundation of a cheque for \$750,000 for the establishment of a Chair in Cardiovascular Research; creation of The Andrew Stewart Graduate Awards for advanced doctoral students, to enable research away from Alberta; and designation of Library expansion as a number one priority, with Electrical Engineering and Computing Science as the second priority. The President also called attention to National Universities Week, suggesting that in this regard the Senate might focus on its role as bridge between the University and the larger community.

Stole for Senators

Executive Officer Mary Totman displayed a stole for use on ceremonial occasions by Senate members who do not wish to wear a hood. The stole, in green and gold, was designed by Anne Kernaleguen.

The out-of-town meeting of the Senate will be held in Sherwood Park on 27 September 1985.

FOLIO

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The Office of Community Relations
423 Athabasca Hall
University of Alberta
Edmonton, Alberta T6G 2E8
(403) 432-2325

All enquiries and correspondence should be directed to:
Ron Thomas
Editor

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Skarin Fund Allocations

Recipients of the Emil Skarin monies for 1985 were Norman Yates, Department of Art and Design, toward the cost of a mural on an outside wall of a yet-to-be-selected building on campus; Robert Carney, Faculty of Education, toward the cost of a special edition of the magazine *Canadian Journal of Native Education*; and Helen Collinson, University Collections, toward the cost of mounting a photographic exhibition of "Yard Art."

New Members

Eight new members were elected to Senate and six members were re-elected. All will serve for three years.

Those elected were: Carol Blair, Elizabeth Bryant, Peter Caffaro, Barbara Olsen, Geneva Purcell, Ruth Spector, Constance Sutton and Bill Yurko.

Members re-elected were: Ronald Berger, Marilyn Brown, James Pratt, Terry Slemko, Clifford Small and Tom Walsh.

Board of Governors Representative

Bonnie Kerr was appointed Senate representative on the Board of Governors.

Search Committee for a Chancellor

In anticipation of the election of a new Chancellor in February 1986, on completion of Chancellor Savaryn's four-year, non-renewable term, three Senate members were appointed to the Search Committee: Jean Fraser, Jack McLean and Jim Pratt.

The following members were appointed to serve on the newly-established Senate Committee on Community Relations: the Chancellor (ex officio), Cliff Brager, Pieter de Groot, Tony Koch, Sat Parkash, Edith Zawadiuk and a student, to be named later.

Follow-Up to the Status of Women Report

The Academic Women's Association (AWA) prepared a report as a follow-up to the Status of Women Task Force Report (1975), and this was

previously circulated to members of Senate. Margaret Ann Armour, AWA President, said that the report reviewed progress made with regard to the recommendations contained in the Task Force Report. It was decided to present the report initially to the Senate because the original report had been its undertaking. Professor Armour acknowledged that progress had been made in implementing the recommendations, more progress in some areas than in others. Her intention now was to present the report to Senate for information, and for any action which Senate might consider appropriate.

A motion moved by Bonnie Kerr, that a Senate Committee be formed to monitor and report on the status of women at the University of Alberta over the next two years, was seconded immediately by President Horowitz. He then spoke in support of the motion, saying that it would be an appropriate way of reflecting on the very important report. He added that, while a number of things had been done to improve the status of women at the University of Alberta (some noted in the report and some not), it was premature to discuss these questions in detail at this meeting of Sen-

ate. He would, however, welcome an opportunity to discuss these matters in committee, prior to bringing a full report to Senate at a later date.

Some warm debate followed, in which it was suggested that the motion was not sufficiently "action-oriented." The proposed committee should act as a stimulus to, and monitor, administrative action.

The President responded that there are gaps in the report about actions which have been taken. Evidently angry, he repeated that in his view a detailed consideration of particular questions was premature until discussion could take place within administrative channels. Dr. Horowitz said that he would "not tolerate a shared presidency...There will be only one administration during the next four years."

Mrs. Kerr remarked that, in proposing the motion, her intention had been to enable clarification of issues which had been alluded to within the report.

The motion was carried with 10 abstentions.

Copies of this report, and of all reports presented to Senate, are available from the Senate Office, 150 Athabasca Hall. □

Milton E. Harr: Distinguished Visiting Professor

The Department of Civil Engineering is pleased to announce the visit (for the month of May) of Milton E. Harr of Purdue University.

Dr. Harr is a distinguished engineer, scholar and researcher with particular interest in the area of geotechnical engineering. His early research dealt primarily with groundwater flow and seepage and resulted in the publication of his first book in 1962. Since then, he has been involved in theoretical soil mechanics and its application to geotechnical engineering. Most recently, his research efforts are directed to the probabilistic approach in geotechnique for a better understanding of the mechanics of particulate media.

He has published numerous papers and two more books (in 1966 and 1977, respectively). They are unique and used worldwide in advanced teaching and research and have been translated into Russian. A consultant

and scientist with international expertise, Dr. Harr has been honored with many awards.

During his stay on campus, Dr. Harr will give several lectures and a short course. On 7 May, he conducted a graduate seminar on the topic "Why Probability." From 13 to 17 May (8:30 a.m. to 5 p.m.), he will teach the short course "Reliability and Probability Methods in Geotechnical Engineering."

Dr. Harr will speak on "Uncertainty: The Next Revolution (For Shure)" at the 21 May annual dinner meeting of the Edmonton Geotechnical Society.

Dr. Harr's presence on campus will give an excellent opportunity to both faculty and students to establish contact with a great scholar. Everyone is welcome to attend the lectures. Further information on Dr. Harr's visit may be obtained from P.K. Kaiser, 432-5106. □

New Writing Competence Policy Adopted

General Faculties Council has approved a new policy on testing and remediation in writing competence. The decision to accept the policy put forward by the Academic Development Committee, virtually without amendment but not without considerable debate, was taken at the regular meeting of GFC on Monday, 29 April.

The essential point of the policy, to be reviewed by December 1987 or

shortly thereafter, is that, with only few exceptions, all undergraduate students seeking a degree or diploma from this University must take a writing competence test and, if their performance is deemed less than satisfactory, must submit themselves to one, two, or even three re-tests within 24 months. A student whose demonstrated ability in the third re-test is "unsatisfactory," even after taking mandatory remedial courses, will not

be allowed to re-register in the degree or diploma program. Not all will be lost, however, for such students. They will be allowed to petition the Faculty in which they are currently registered to review their over-all performance. The Faculty may then permit re-registration if it feels such action is warranted.

Other students, who are assessed as "marginally unsatisfactory" in the third re-test, will have their names

sent to Faculties "for information and possible further action."

The policy, aimed at undergraduate students entering the University from September 1983 on, makes explicit certain exemptions: students registered in non-credit programs, special students (as defined in the *Calendar*, Section 12.2), unclassified students and those registered only as "auditors," "after degree" students, people registered prior to September 1983, and off-campus students (who, nevertheless, will be encouraged to take the test prior to their arrival on campus).

The complete policy is being circulated to Faculty offices and is available for perusal in the Offices of the Vice-President (Academic), of the Registrar, and of the Secretary to GFC. □

All This (International Symposium on Organs for Transplantation) and Muggeridge Too

The Faculty of Medicine is co-sponsoring an international symposium on Organs for Transplantation, 22 to 25 May at Chateau Lake Louise. Other sponsors are the Faculties of Humanities and Medicine at the University of Calgary, and the Transplantation Society.

The symposium is presented by the Alberta Human Tissue Procurement Task Force, an advisory body established by the Minister of Hospitals and Medical Care to investigate organ transplantation and provide recommendations for its future development

in the province of Alberta.

As the number of organ transplants increases, there is a growing concern over the moral and ethical issues surrounding the transplantation process. The symposium will concentrate on these ethical issues as well as the more technical concerns of organ procurement and storage. In addition to the "state of the art" presentations, there will be panel discussions that will encourage audience participation.

Keynote speaker at the function will be Malcolm Muggeridge, philosopher, ethicist, former editor of *Punch* maga-

zine, and a world renowned journalist and author.

The registration fee is \$250. Cheques should be made out to the University of Alberta and sent to: International Symposium on Organs for Transplantation, Division of Continuing Medical Education, 12-103 Clinical Sciences Building, University of Alberta, Edmonton, Alberta T6G 2G3. Information on accommodation and/or transportation may be obtained by telephoning 432-6346/6347. □

GFC Note

A revised "Code of Student Behavior and Student Discipline" was adopted by General Faculties Council on 29 April 1985 and is effective from that date. It will be published in the first issue of *The Gateway* in September and will appear in the *Calendar*. □



Dr. McCalla was honored at a Special Convocation in October 1981. He had been Professor Emeritus of Plant Biochemistry since 1971.

Arthur G. McCalla: 1906 - 1985

Arthur G. McCalla, Professor Emeritus, former Dean of Agriculture and of Graduate Studies, has passed away in his eightieth year on 30 April 1985.

Survived by several children and grandchildren, Dr. McCalla is remembered as a man of scholarship and one dedicated to the cause of this University, its students, and to the disciplines of Agriculture (in which he received a BSc from this University in 1929, an MSc in Biochemistry some two years later, and a doctorate from the University of California in 1933).

Dr. McCalla had a long and distinguished career at our University. He was appointed to the University's staff in 1940 serving as Professor of

Field Crops from 1941 to 1944, Chairman of Plant Science from 1944 to 1951 when he became Dean of Agriculture, from 1957 as Dean of the newly established Faculty of Graduate Studies, and as Acting Vice-President (Academic) in 1969-70. Dr. McCalla retired from the University in 1971.

It is fitting that a man who inspired so many students and colleagues and who pushed forward the bounds of knowledge within his chosen field will be remembered in perpetuity at this University as the person after whom the A.G. McCalla Research Professorships are named.

A memorial service will be held on 13 May at 3:30 p.m. at St. Paul's United Church, 11526 76 Avenue. □

Minister's Advisory Committee Catches 'Pitches' of University Constituent Bodies

Universities in North America are going to be scrambling to hire quality staff in the 1990s and the AAS:UA believes our University can continue to hire in an orderly fashion if certain safeguards are adhered to now.

In presenting a brief to the Minister's Advisory Committee on University Affairs on 30 April, AAS:UA President Don Richards said that by 1990 a shortage of staff will be prevalent and a seller's market akin to that of the 1960s will exist.

The University, in the view of the AAS:UA must build loyalty among existing staff. This is mainly an institutional problem with the funding element overshadowed by the matter of working in a "supportive atmosphere." We look for help from the provincial government to help develop such an atmosphere, Dr. Richards said.

The University should hire the most outstanding young academics now while they are available. Advanced Education could help provide a program or programs whereby institutions could go about doing this, Dr. Richards suggested. One university might choose to hire the most outstanding academic women, another might want to hire top flight people to build up a particular department.

The AAS:UA, he said, is not asking for an endowment but rather funding to set up a program by which the University will not be forced to scramble to hire faculty in the 1990s when "the right people won't be available."

The ideal model of the faculty of a university might consist of one in which a young academic starts at around age 30, serves for 35 years and retires. The faculty of such a university would encompass all ages. In such a situation, Dr. Richards said, it would be necessary to replace about 3 percent of the people each year. "Such an ideal model is far different from the existing situation."

In response to a question, Gordon Unger, Executive Secretary of the Association, described the academic pension plan as one of the best in Canada in terms of allowing retirement at age 55 without an actuarial penalty.

The early retirement incentive plan remains to be ratified by the AAS:UA membership.

The Minister's Advisory Committee holds a series of public meetings each year. After hearing presentations from a variety of groups and individuals, the body reports to and advises the Minister of Alberta Advanced Education on the issues brought to its attention. It does not debate issues but does ask questions. As Terry Moore of the University of Lethbridge, chairman of this year's committee, puts it, "We are here to facilitate communication."

NASA

George Walker, Manager of NASA, and NASA President Brendon O'Neill informed the eight-member Advisory Committee of NASA's wish to place non-academic staff on the Board of Governors and the Senate.

University support staff are the only component of the University community without a presence on the Board. "We can appreciate that the Minister might not want representatives of the Union on the governing body, although that is a common practice in some countries. However, we can see no reason why one or two support staff could not sit on the Board independent of the Union."

Mr. Walker stated that the matter has been endorsed by the NASA membership. It has also reached President Horowitz but not the Board of Governors. The President, Mr. Walker said, is in agreement with NASA representation on Senate and he (Dr. Horowitz) found no fault with NASA being represented on the Board if the individual(s) do not act on behalf of the union.

Prior to 1983, NASA had two representatives on Senate. Those positions, however, are now vacant.

Senate

The first brief received by the committee ("the eyes and ears of the Minister") in the afternoon was that of the Senate. Chancellor Peter Savaryn talked about the recent Report of the Task Force on Ethics, the success of the annual out-of-town meeting, Senate's decision to look at the delivery of post-secondary education options as

they apply to the University of Alberta, and other matters undertaken by Senate. He also referred to his recent visit to Japan during which his belief that language is the last frontier was reinforced.

Students' Union

The Students' Union brief was entitled "University: Some Ideas." President Floyd Hodgins led off with the remission of student loans, a topic that "has a tendency to crop up in almost all of the presentations the Students' Union makes to the government at whatever level." He recommended three moves to "firstly save the province time and money and secondly, to save the students in this province some needless grief." 1) Moving toward the implementation of a one-year remission program, perhaps as early as April 1986. 2) Moving toward a flat rate of 35 percent remission. 3) Moving toward applying remission automatically.

Mr. Hodgins said that the remission program is a sore spot in that in other provinces students receive their grants on an annual basis at a regular rate. "This province may fund its university system to a greater extent than any other other province, but it also has the dubious distinction of paying the least or the second least amount towards the raw material—the students."

Turning to the Students' Finance Board, Mr. Hodgins called for an on-site computer access centre, adding that colleges and institutions in and around Edmonton would undoubtedly make use of it too. "In order to facilitate this, the Students' Union is willing to donate free of charge, office space for the location of an access centre within the Students' Union Building."

President Hodgins thanked the Students' Finance Board for sending applications out early and for adding an extra telephone line for determining the status of a student's loan.

The fact that married students are eligible for more than the amount loaned to single students even though they may be supporting children and a spouse does not sit well with the Stu-

dents' Union and the age and conditions attached to the independence criteria for eligibility for student loans "still leaves a little to be desired."

Graduate Students' Association

Kevin Giles, President of the Graduate Students' Association, took office on 1 April and quickly familiarized himself with the financial scene as it relates to graduate research. The lack of funding available at the University for graduate research is the primary concern of the GSA. "If this institution is to increase its emphasis on graduate research, as the President and the Dean of the Faculty of Graduate Studies would like to see happen, then graduate students must be provided the financial resources to carry out this research. This institution cannot continue to attract scholars to conduct research if funding is not available to carry out the research requirements."

Mr. Giles told of students who are being forced to cut short, and sometimes terminate, their research mandates because of insufficient funding. A teaching assistantship during the fall and winter terms provides \$7,442 to a graduate student. The amount, for the period September to April, includes \$1,240 in stipend. In some departments, Mr. Giles related, the sum has been reduced to one-half or one-third depending on the number of students registered and the department budget allocations.

The GSA asked the committee to consider: 1) the extension of the Alberta Heritage Fellowships into all graduate Faculties; 2) the need to fund graduate research overseas and the need to increase conference funding; and 3) the need to investigate ways in which graduate students could collect Unemployment Insurance benefits while continuing their research. This, the GSA claims, would "reduce the demand on internal university funds as well as constructively utilize federal resources."

Matching grants from government and private industry may also be a way of funding graduate research and, if the University has reserve funds,

pressure from government and the public at large should be brought to bear that will force the University to allocate those funds where they are needed most. Graduate research is one of the need areas at present, Mr. Giles said.

Confederation of Alberta Faculty Associations

The final brief of the day was presented by Confederation of Alberta Faculty Associations (CAFA).

CAFA, a professional organization of faculty members in Alberta universities, seeks to promote the quality of education, the well-being of Alberta universities and the interests of their faculty association membership.

Lorna Cammaert of the University of Calgary, President of CAFA, said the Confederation is concerned that proposed centres of excellence may become isolated islands if the basic sciences, arts, humanities and fine arts are not adequately funded by the government. "Centres of excellence will require the synergy that can come only from such a broadly based

university if they are truly to excel. Otherwise, these centres will become isolated and will inevitably suffer from intellectual atrophy," she said.

CAFA was critical of the timing of the government's grant announcements. It was only in mid-February 1985 that Alberta's four universities received supplementary grants, totalling \$1,200,000, to offset increases in 1984-85 enrolment. By that time spending for the fiscal year had been committed.

As there is no strict formula for such grants, institutions must either gamble and meet increased enrolment by committing funds they do not have, or simply leave students to make do with what is available. "Neither of these alternatives is acceptable. Our position is that the government would aid universities and their students more if it would regularize the provision of its grants," Dr. Cammaert stated.

A five-year commitment of soft funding, she suggested, will allow a university to plan in such a way as to optimize the learning experience for its students. □



If living well is the best revenge, Ring House Gallery staff and guests got even in spades during a lunch hour last week. Approval of various grant applications, a staff member's birthday, the advent of warm weather and sundry other considerations led to the holding of a genteel, open air luncheon. Dress whites, croquet, catered cold cuts and fresh strawberries, and easy banter made those on Ring House's greensward the envy of passersby. Suitably refreshed, the staff returned to final preparations for two exhibitions which will run until 26 May.

Sandin Lectures to be Given by R.A. Raphael, C.B.E., F.R.S.

The Reuben Benjamin Sandin Lecture Series is sponsored by the Department of Chemistry. The annual series commemorates more than 40 years of outstanding service rendered to the University by Reuben Sandin as a dedicated scholar and inspiring teacher of Organic Chemistry.

The lectures will be presented this year on 13, 14 and 15 May by R.A. Raphael, Head of the Department of Organic and Inorganic Chemistry, University of Cambridge.

Ralph Alexander Raphael was born in 1921 and received his chemical education at Imperial College London. As an undergraduate he was a Royal Scholar, and, on obtaining his BSc, he was awarded the Hofmann Prize for Organic Chemistry. Raphael stayed at Imperial College for post-graduate work in the research school of Heilbron and Jones, and received his PhD in 1943.

After a three-year period at May and Baker Ltd., where he headed a research unit studying the chemistry of penicillin, Raphael returned to Imperial College as an ICI Fellow. In 1948, he was the Meldola Medallist of the Royal Institute of Chemistry and, in the following year, took up an appointment as lecturer in the Chemistry Department of the University of Glasgow. He left the department in 1954 and moved to Queen's University, Belfast, as the first incumbent of the newly created chair of Organic Chemistry. The move from Glasgow was temporary, because, in 1957, Professor Raphael was invited back as Regius Professor of Chemistry, a post he held until 1972. At that time, he was elected to the chair of Organic Chemistry at Cambridge, in succession to Lord Todd.

Professor Raphael is a synthetic organic chemist of international repute. His researches cover a wide range of topics—mainly synthesis, but also including structure determination and methodology. He is particularly interested in routes to complex natural products that have significant biochemical properties and his many substantial accomplishments in this domain include trichodermin (an antibiotic), steganacin (an anti-leukemic agent), strigol (a germination stimulant), pyrenophorin (a macrocyclic antibiotic), D-(+)-shikimic acid, penicilllic acid (an antibiotic), and cuparene (a sesquiterpene).

Throughout his career, Professor Raphael has maintained an intense interest in the chemistry of acetylenes and his earliest researches, such as the syntheses of penicilllic acid, unsaturated fatty acids, and carbohydrates were a clear demonstration of the utility of this compound class. In 1955, he published an influential book entitled *Acetylenic Compounds in Organic Synthesis* and has continued to develop the synthetic possibilities of acetylenes to a very sophisticated level of refinement.

A Pillar of the Chemical Community

Professor Raphael has received numerous awards and honors and he has acted on behalf of the chemical community in many ways. He served the Chemical Society as a Council member and Vice-President. He was a member of the Chemistry Committee of the Science Research Council and Chairman of the Royal Society Subcommittee to Examine Post-Graduate Training in Chemistry.

Professor Raphael was Tilden Lecturer of the Chemical Society in 1960, Pedlar Lecturer in 1973, and recipient of the Ciba-Geigy Award for Synthetic Chemistry in 1975. He was elected to the Royal Society in 1962, served as a member of its Council, and was its Davy Medallist in 1981. The following year he was appointed C.B.E.

The theme of this year's Sandin Lecture Series is "The Chemistry of Acetylenes." The individual topics are as follows: Monday, 13 May, "The Synthetic Versatility of the Carbon-Carbon Triple Bond;" Tuesday, 14 May, "Natural Products Synthesis Employing Acetylenic Precursors;" Wednesday, 15 May, "Bizarre Reactions of Acetylenic Compounds."

Each lecture will be delivered at 11 a.m. in E1-60 Chemistry. □

Selection Committee for Director, Canadian Institute of Ukrainian Studies

The Nominating Committee is seeking nominations for one faculty member, not a member of the unit concerned, to serve on a Selection Committee for the Director of the Canadian Institute of Ukrainian Studies.

Would those who have suggestions for nominations, or who are interested in serving on this Selection Committee, please contact Mrs. P. Plaskitt, 2-5 University Hall (telephone 432-4715). It would be appreciated if a brief vita could accompany any nomination, which should be received by *16 May*.

people

The following members of the Philosophy Department were honored recently: *John King-Farlow* was elected a Fellow of the Royal Society of Canada; *Richard Bosley* was invited to be a Visiting Professor at the University of California, Santa Barbara; *Mohan Matten* was appointed Editor of the *Canadian Journal of Philosophy*; and *Robert Bright*, a graduate student, was awarded a SSHRCC doctoral fellowship for studies at Dalhousie University.

Karol Krótki (University Professor/Sociology) accepted an appointment to the demographic committee advisory to the Chief Statistician of Canada. Four other members are from the eastern provinces and one from south of the border. Nine other committees have been created, for example, national accounts and labour force statistics. Eight further committees are also being considered, for example, statistics on culture and statistics on morbidity and health.

Clement Leibovitz (Computing Services) gave a lecture on the topic "Literature With a Message" at Colorado State University, 15 April. Dr. Leibovitz also autographed copies of his first novel *The Memoirs of God*.

publications

Jule, Walter (Art and Design) (ed.): *Print Voice*: A publication on Printmaking and Print Artists. Published by the Department of Art and Design, University of Alberta (1984): 88 pp. (Publication includes nine original hand printed prints).

Hasan, Ashraful (Political Science): "Patterns of Political Development in Pakistan, Malaysia and India: A Comparative Study of the Impact of Institutional Variables on National Integration/Disintegration in Developing Polities." In *Asian Profile*, 12 No. 6 (1984): 22 pp.

Hall, D.J. (History): *Clifford Sifton*, Vol. 2, *A Lonely Eminence, 1901-1929*, Vancouver: University of British Columbia Press (1985): pp. 10, 437, illustrated.

Busch, B.J. (Library): *Automation and Reorganization of Technical and Public Services*. Washington, D.C.: Association of Research Libraries, Office of Management Studies (1985): 95 pp.

service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

Coming Events

Lectures and Seminars

10 May, noon. M. Koshim, Department of Surgery, "Long Term Follow-up of the Nissen Fundoplication." S.M.R.I. Conference Room.

13 May, 4 p.m. Robert P. Perry, Fox Chase Cancer Center, Philadelphia, "Multi-level regulation of immunoglobulin gene expression." 2-27 Medical Sciences Building.

Psychology and the Centre for the Study of Child Development

16 to 18 May. "Formal Methods in Developmental Psychology." A conference on advances in the use of mathematical, statistical, and computer simulation techniques in developmental psychology. 3-1 Mechanical Engineering Building. Contact J. Bisanz or C. Brainerd, Department of Psychology, for further information.

Alberta Heritage Foundation for Medical Research

17 May, 11 a.m. Edouard Kurstak, Department of Microbiology and Immunology, University of Montreal, "Progress in Immunoenzymatic Techniques as Applied to Viral Diagnosis." 6-28 Medical Sciences Building.

23 May, 12:30 p.m. G.D. Fasman, Graduate Department of Biochemistry, Brandeis University, Waltham, Massachusetts, "A Critique of the Utility of the Prediction of Protein Secondary Structure." 227 Medical Sciences Building.

Oral Biology

22 May, noon. Julius Kieser, Dental Anthropologist, Johannesburg, South Africa, "Fluctuating Dental Asymmetry as a Host Response to Stress." 4069 Dentistry/Pharmacy Centre.

Music

Edmonton Youth Orchestra

11 and 12 May, 8 p.m. Orchestra I—conductor, Michael Massey. Tickets: \$4—adults, \$2—seniors/students; available from orchestra members and at the door.

Films

Alberta Nurses for Nuclear Disarmament and Physicians for Social Responsibility

14 May, noon. "Hell Unlimited." An educational film series on the nuclear arms race. 2-115 Clinical Sciences Building. Refreshments provided.

Exhibitions

Ring House Gallery

Until 26 May. "Rural Alberta Community Photo Exhibition." A pictorial anthology on contemporary rural Alberta.

Until 26 May. "Flights of Fancy—Newfoundland Yard Art." An exhibition of 100 photographs which illustrate some of the colorful yard art to be found in Newfoundland and Labrador.

Radio and Television

Radio

CJSR-FM, 88.5, Campus Radio. Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

Theatre

Sub Theatre

11 May, 6:30 p.m. Casey's Dance Centre presents "That's Entertainment." Tickets: SUB Theatre Box Office. Call Marie, 451-5426, for more information.

12 May, 6:30 p.m. St. Basil's Language Arts Society presents "1985 Dance Concert." Tickets: SUB Theatre Box Office.

17 to 19 May, 6:30 p.m. Weekend Youth Conference—"Celebrate Life"—presented by the Lutheran Student Movement. Call Vic, 471-2744, for more information.

20 to 31 May. Alberta Dance Educators Association's Annual Dance Competitions, including the "Show of Stars" on 31 May, 7:30 p.m. Call Marie, 451-5426, for more information.

Non-Credit Courses

Computing Services

MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite) AJ510 Operation and Visual Editing (Prerequisite) MTS Overview (Prerequisite)

TEXTFORM

Introduction to Text Formatting (Prerequisite)

SPIRES

Introduction to SPIRES (Prerequisite) Advanced SPIRES

Graphics

Integrated Graphics Overview (IG)

Statistics

Data Preparation for Statistical Packages (Prerequisite) Introduction to SPSSx Introduction to MIDAS

Microcomputers

Introduction to the IBM PC

Introduction to the Personal Editor

Introduction to MultiMate

Advanced MultiMate

Introduction to Microcomputers

Introduction to MicroSoft FORTRAN

Introduction to Macintosh

The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Advanced Text Formatting

Introduction to Plotting

Introduction to Programming

Introduction to Typesetting

Introduction to APL

Introduction to Tell-A-Graf

Introduction to BMDP

Introduction to MINITAB

Introduction to TROLL

For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

Faculty of Extension

Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.

Management Development

Personnel Administration

Computers and Business Data Processing

Industrial Security Management

Purchasing Management Development

Applied Land Use Planning Certificate Programme

Public Administration Certificate (432-5052)

Citation Programme

For further information on the following programmes, telephone the number(s) listed behind the course.
Executive Development Programme for Women (432-5545 or 432-3027)
Supervisory Development Programme (432-5066)

Land Use Planning Studies

For further information on the following courses, telephone 432-2912.
Plans and Processes
Survey and Analysis (Field Trip)

Industrial Courses

For further information on the course listed below, telephone 432-2912.
Maintenance Management

PLATO Learning Centre

"Computer-Taught" courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444.
Introduction—Keyboarding, Word Processing Excellence in Administrative Assistant/Secretarial Work
Introduction—Computers, Data Processing
Introduction to Programming—BASIC, PASCAL, FORTRAN
Time—Resource, Financial or Planning Management

Applied Behavioral Sciences Division

For further information on the following courses, telephone 432-5069.
Accessing Your Personal Power
Introduction to NLP (Neuro-Linguistic Programming)
Assertion and Interpersonal Skills Training for Professionals—Level I
The Eclectic Counsellor

Notices

Faculty Women's Club Meeting Next Week

On 15 May, all honorary and life members of the Faculty Women's Club will be honored at a coffee party. The party, to be held at University House from 10 to 11:30 a.m., will be hosted by Barbara Horowitz.

Alberta Children's Creative Dance Theatre

Registrations are now being accepted for the Alberta Children's Creative Dance Theatre to commence classes in September 1985.

The program provides experiences in "creative dance theatre" for children from the ages of four to sixteen years. For further information, telephone either Wendy Bedingfield (432-3566) or Joyce Boorman (432-5603), Department of Physical Education and Sport Studies.

Faculty of Arts, Shastri Indo-Canadian Institute

The annual meeting of the Shastri Indo-Canadian Institute will take place Friday, 17 May, at 2 p.m. in 5-20 Humanities Centre. All interested staff are invited to attend.

President's Advisory Committee Renamed

The President's Advisory Committee on International Development has been renamed the President's Advisory Committee on International Affairs.

Scholarships, Fellowships and Awards

The Brigadier W.N. Bostock Memorial Research Grant

Donor: The British Columbia Cattleman's Association. **Where tenable:** Not specified. **Level:** Post-graduate. **Field:** A graduate research program which will be of practical value to the cattle industry of British Columbia. **Value:** \$1,200. **Number:** Not specified. **Duration:** Not specified. **Conditions:** Not specified. **Closing date:** 30 June 1985. **Further information and application forms should be requested from:** Student Awards Office, 252 Athabasca Hall, University of Alberta, or Secretary-Manager, B.C. Cattleman's Association, Agri-Centre, R.R.#2, Kamloops, B.C. V2C 2J3.

The Metalliferous Mining Scholarship

Donor: Imperial College of Science and Technology. **Where tenable:** Imperial College of Science and Technology or Royal School of Mines. **Level:** Post-graduate. **Field:** Mineral Resources Engineering. **Value:** Depends on successful candidate's qualifications, experience and aims. **Number:** Not stated. **Duration:** One year. **Conditions:** Normally but not exclusively for an advanced course of post-graduate study in the Department of Mineral Resources Engineering. Must hold a good First Degree and should have at least two years' experience in the mining industry since graduation. **Closing date:** 30 June 1985. **Further information and application forms should be requested from:** The Registrar, Imperial College of Science and Technology, London, England SW7 2AZ.

The Marston Fleming Memorial Bursary

Donor: Imperial College of Science and Technology. **Where tenable:** Imperial College of Science and Technology. **Level:** Post-graduate. **Field:** Mineral Technology in the Department of Mineral Resources Engineering. **Value:** Depends on successful candidate's qualifications, experience and aims. **Number:** Not stated. **Duration:** One year. **Conditions:** Must be graduates of a recognized university and should have had some experience in the mining industry. **Closing Date:** 30 June 1985. **Further information and application forms should be requested from:** The Registrar, Imperial College of Science and Technology, London, England SW7 2AZ.

Surplus Equipment

The equipment appearing in this column is available only to University Departments with University administered funds. For further information about the purchase of equipment or the disposal of your department's surplus equipment, contact Jody Brookwell or Roy Bennett, 432-3208.

Wanted: (1) CO₂ Regulating Incubator

(1) Laminar Flowhood

For more information, telephone H.F. Pabst, Department of Paediatrics, 432-3142 or 432-5614.

Positions Vacant

The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Tenure Track Position, Dental Hygiene

Applications are invited for a full-time tenure track position in the Division of Dental Hygiene. Candidates must be eligible to practice Dental Hygiene in Alberta. A Master's Degree, or Doctorate Degree, previous teaching, clinical supervisory and research skills preferred. Salary is commensurate with education and experience.

Applications should be forwarded by 31 May 1985 to Dr. R.L. Ellis, Chairman, Department of Dental Health Care, Faculty of Dentistry, University of Alberta, Edmonton, Alberta T6G 2N8. Telephone (403) 432-3631.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 3 May 1985. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 3 May 1985.

Clerk Steno II (Part-Time/Trust) (\$8.20/hr.) Cancer Research Group
Clerk Steno III (\$1,294-\$1,625) Extension Clerk Steno III (\$1,294-\$1,625) History Clerk Steno III (\$1,294-\$1,625) Law Clerk Typist III (\$1,294-\$1,625) Registrar's Office Clerk Typist III (Trust) (\$1,294-\$1,695) Civil Engineering Clerk Typist III (\$1,294-\$1,625) Housing and Food Services Clerk Typist III (Trust/Part-Time) (\$8.53-\$10.71/hr.) Educational Psychology Medical Stenographer (\$1,442-\$1,842) Paediatrics Secretary (Trust) (\$1,442-\$1,842) Institute of Law Research and Reform Departmental/Executive Secretary (Part-Time) (\$650-\$837) President's Advisory Committee on Campus Reviews Departmental/Executive Secretary (\$1,1625-\$2,092) Educational Administration Computer Assistant I (\$1,161-\$1,442) Computing Services Building Services Worker III (\$1,442-\$1,824) Physical Plant—Building Services Vehicle Operator (\$1,497-\$1,920) Physical Plant—Building Services Technician I/Technologist I (Trust) (\$1,497-\$2,182) Plant Science Technician I (\$1,497-\$1,920) Computing Services Computer Operator (\$1,561-\$2,003) Office of Administrative Systems Security Officer (\$1,625-\$2,092) Campus Security Technologist I (\$1,697-\$2,182) Botany Biochemistry Technologist I (Trust) (\$1,697-\$2,182) Biochemistry Technologist I (Part-Time) (\$849-\$1,091) Anthropology Technologist I (Part-Time Recurring Term) (\$849-\$1,091) Anthropology Technologist I (Trust) (\$1,697-\$2,182) Foods and Nutrition Electronics Technician II (\$1,766-\$2,280) Physical Education and Sports Studies

Art Technician Demonstrator I (Part-Time)

(\$883-\$1,140) Art and Design

Administrative Assistant I (\$1,842-\$2,378)

Surgical-Medical Research Institute

Administrative Assistant (\$1,842-\$2,378) Housing and Food Services

Laboratory Technologist I (\$1,842-\$2,378) Provincial Laboratory

Electron Microscope Technician III

(\$1,920-\$2,486) Zoology

Public Relations/Publications Assistant III

(\$2,003-\$2,596) Computing Science

Programmer Analyst III (\$2,596-\$3,390)

Computing Science

For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Accommodations available

Sale - 11627 78 Ave. For viewing, call 435-8694. For price, call collect, 1-306-955-1769 after 6 p.m.

Rent - Near University. Two-bedroom, furnished house. \$495/month. Available 1 June. 469-8650. Rent - Near University. Furnished, basement suite. One bedroom. \$295/month. Available 1 June. 469-8650.

Rent - Large, two-bedroom suite in private residence. Furnished, washing facilities, garage. Ten minutes to University, downtown. June, July, August. 433-7531.

Sale - New, exclusive, upgraded home. Lovely, modern kitchen, two baths. Professionally developed basement. Double garage. Lovely, treed lot. The jewel in Parkallen. \$89,900. Call Joyce Byrne, 435-6064, 436-5250. Spencer's.

Sale - Parkallen, spacious family home. Four bedrooms, two baths. Sacrifice. \$74,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.

Rent - Four-bedroom, fully furnished home, Aspen Gardens. Double garage, automatic door. August 1985-August 1986, \$1,200. Rent and rental period negotiable. Phone 435-2093.

Sale - Arrow Lakes British Columbia property. Ten acres, cabin, outbuildings. Call Ed, 432-3926.

For rent - \$725/month, unfurnished, three-bedroom house. Garage, McKernan area, walking distance to University. Starting 1 July 1985. Phone 438-0183.

Rent - University Avenue, 10839. Beautifully furnished, one-bedroom apartment. \$400. Caretaker, #16.

Rent - Blue Quill (opposite Derrick Club). Furnished house, four bedrooms, 2 1/2 baths, two fireplaces, large yard, garage. 22 June-31 August. \$600/month plus utilities (negotiable). 439-7311, 8-4 p.m. Monday-Friday.

For rent - House. Four-bedroom sabbatical house. Study, family room, garage, twelve-minute drive to University. Completely furnished. \$750 per month. 1 August 1985-30 July 1986. Phone 483-0006.

Sale - By owner, Blue Quill. 2,000', four-bedroom,

2 1/2 baths. Attached, two-car garage. Former show home. 438-3877.

Rent - July to 20 August. Look after my cats, plants, plus \$600, plus utilities and my four-bedroom house with garage is yours. Fifteen minutes to University. 484-8038 after 5 p.m.

Rent - Sabbatical, 111 St. 76 Ave., furnished, three-bedroom with study, garden. No pets. August 1985-August 1986. \$550/month plus utilities. 432-5678, 437-7270.

Sale - 11015 University Avenue. Completely renovated. Two bedrooms. Dave, 437-0794.

Rent - Four-bedroom, fully furnished home. Near West Edmonton Mall. \$750 plus utilities. July 1985-August 1986. 484-9166.

Sale - Revenue or home or both. Walk to University. Two storeys, two bedrooms, four baths, also suite if desired. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Enjoy the outdoors on this huge, landscaped lot. Popular, Pleasantview crescent location. Immaculate, well-maintained home. Phone regarding details. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Belgravia. Walk to University. Bright bungalow. Large kitchen. Large windows. Two garages plus carport. Large lot. Quiet area. Chris Tenove, 433-5664, 436-5250. Spencer's.

Rent - Sabbatical. Two-bedroom, furnished house near University. Contains one-bedroom, basement suite. Available September 1985 to August 1986. \$550 per month. 437-4518 or 432-5437.

Rent for summer - Three-bedroom home, fifteen-minute walk from University. Available July to

mid-August. \$175 weekly. 438-3484.

Sale - Two-bedroom, modern condo., two blocks University, 1 1/2 baths, appliances, parking. Evenings 486-6600.

Rent - Two-bedroom, modern condo., two blocks University. 1 1/2 baths, appliances, parking, no pets. Evenings 486-6600.

Accommodations wanted

Visiting professor and family from Finland need furnished accommodation for July 1985 to June 1986. Contact Linda Ehrler at 432-4413.

If you require a reliable couple (one child) to housesit for you during your sabbatical. Phone 455-4812.

Professional gentleman and family wish to rent fully furnished, 3/4-bedroom house for one year, from July, Southwest Edmonton or St. Albert. Phone David Shea, 420-6232, office hours.

Automobiles and others

Sale - 1975, 21', Komfort trailer. Full bath, stove, fridge, tandem, extras. Excellent condition. \$6,500. 432-3737.

Goods for sale

New Royal typewriters, \$300 and up. Used IBMs when available. Mark 9, HUB Mall. 432-7936.

Bunting-receiving cover for newborn. Beautiful gift. White, ribbons in color of choice. Washable, no iron. \$35.99. Box 1743, Edmonton, Alberta T5J 2P1.

Liquidation sale - IBM PC/XT compatible, 256k

memory, two-disk driver, high resolution 12" amber monitor. \$2,500. We have accessories, hardware for Apple II, IIe. Alpha-Bit Computer, 13030 97 St. 478-6373.

Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Academic staff: Supplementary healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: heat, massages, chiromyastics, interferential electrotherapy. 436-8059. 11610 75 Ave.

Landscaping, lawn maintenance. Martin, 433-8729 evenings.

Word Processing Services: Résumés, theses, mailing lists, manuscripts, etc. DJM & Associates. 451-6180.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

No time to cook, love to entertain? Caterer available for groups of 6-70 people. Will prepare brunches, lunches, party food, dinners. References available. Prices reasonable. Carol (afternoons), 439-7311, (evenings) 435-8841.

Efficient and thorough cleaner available for \$7.50/hour. Will do spring cleaning. References available. Phone Carol (afternoons), 439-7311, (evenings) 435-8841.

Child Care - Non-profit after school for grades K-6 opening at Malmo School. Excellent environment. Close to Michener Park, on route to University from south Edmonton. Call 437-4753 for information.

Share gas - Ride required to University from Muir Lake (north of Stony Plain)/return. Monday through Friday. Hours flexible. Female driver. Call 963-6586 or 432-3615.

Intelligent Exercising

Learn the
Does and Don'ts of Exercise. Whys and Wherefores.
Thursday, May 16th: 7-9 pm
Tuesday, May 21st: 7-9 pm
Contact Art Burgess/Valerie Sherwood-Kennedy
432-5607

A BALANCE
AHEAD!

Mettler

YOU ARE CORDIALLY INVITED TO A SHOW OF THE
LATEST WEIGHING TECHNOLOGIES, FROM THE EXPERTS
AT METTLER

DATE - WEDNESDAY, MAY 22ND

PLACE - UNIVERSITY OF ALBERTA

MEDICAL SCIENCE BUILDING

ROOM 355

TIME - 9:00 A.M. - 5:00 P.M.

FOR FURTHER INFORMATION, CONTACT MICK O'BRIEN,
AT FISHER SCIENTIFIC - 483-2123.



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THREAT TO YOUR RIGHT TO PUBLISH

The administration's proposed "Policy on PLATO Courseware Ownership", before the AASUA for ratification, denies to authors of computer-assisted instruction (CAI) ownership of, and publication rights to, their work. The policy explicitly anticipates the same restrictions on all computer software, and is a precedent for a similar policy on books, works of art and scholarly publications.

We urge academic staff, through the AASUA, to reject this policy. Make your views known to the AASUA President, Dr. D. M. Richards, 347 Athabasca, telephone 5321.

We are some of the principal faculty authors of CAI.

K. M. Bagnall	Anatomy	3752
L. Blackburn	Saint-Jean	468-1254
R. Collins-Nakai	Pediatrics	4010
S. M. Hunka	Educ Rsch Serv	3762
J. S. Martin	Chemistry	5307
M. W. Petruk	Ind & Voc Ed	5363
R. Reiffenstein	Pharmacology	3728
E. W. Romaniuk	Educ Psych	5245
R. E. Rossall	Medicine	6352

A Northern Light Theatre Production

KAASA THEATRE (JUBILEE AUDITORIUM)
May 10 - 26, 1985 (May 9 PREVIEW)

TICKETS AT WOODWARD'S, BROWNING'S BOOKS, AT THE DOOR OR

CHARGE-BY-PHONE 471-1586 AMERICAN EXPRESS,
MASTERCARD, VISA

An Entertainment devised by Sheridan Morley with words and music by Noel Coward

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... A ROLLICKING MUSICAL REVUE!!